Government of Saskatchewan

Annual Report 1982-83

Saskatchewan Health Dental Plan

Government of Saskatchewan

Annual Report 1982-83

84- 2974 /

Saskatchewan Health

Dental

Plan

Report

Ninth Year of Operation

September 1, 1982 to

August 31, 1983

ISSN 0709-2059

Graham Taylor
Minister of Health

Saskatchewan Health

To the Honourable F. W. Johnson
Lieutenant Governor of Saskatchewan

May It Please Your Honour:

I am pleased to present the Report of the Dental Plan for the year ending August 31, 1983.

Respectfully submitted,

Graham Taylor,
Minister of Health.

K. J. Fyke,
Deputy Minister
of Health

Saskatchewan Health

To the Honourable Graham Taylor
Minister of Health

Sir:

I have the honour to present herewith for your consideration the Report of the Dental Plan for the year ending August 31, 1983.

Respectfully submitted,

K. J. Fyke,
Deputy Minister.

G. H. Loewen
Associate Deputy
Minister of Health

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Executive Director
Saskatchewan Dental Plan

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Background

In 1968, the Saskatchewan Department of Health conducted surveys in Regina and Saskatoon which showed that the level of dental health of children in these cities was far from satisfactory. On the basis of the survey results, the Dental Division of the Department of Health proposed that the federal government allocate funds for a dental pilot project in the province. The project was to provide dental health education, preventive services and treatment services to children through a dental team consisting of a dentist, two dental therapists (formerly called dental nurses), three dental assistants and one receptionist recorder.

The dental therapists were formally trained to provide educational, preventive and treatment services to children, including deciduous (baby) tooth extractions and amalgam and composite restorations (silver and tooth-colored fillings) in deciduous and permanent teeth. The three dental assistants were formally trained to provide chairside assistance, simple prophylaxis (cleaning) and topical fluoride.

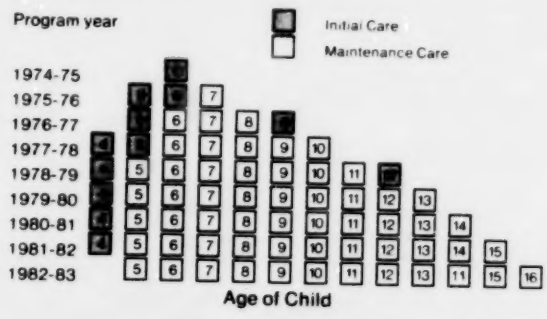
Services were made available to children from 3 to 12 years of age in the Oxbow area of Southeastern Saskatchewan. The dental team was housed in a mobile clinic equipped with four dental units, an X-ray machine, a laboratory and a reception room. The project lasted for three years. It demonstrated that high quality care could be provided by such a program and also that parents were prepared to enroll their children in a dental program in which care was provided by dental therapists. It was important to establish that a dental program making use of dental therapists could be successful because one of the main reasons for testing such a program was the chronic shortage of dentists in the province, especially in the rural areas.

On the basis of the successful Oxbow project, the Government of Saskatchewan announced in March 1972 that a province-wide, school-based dental program would be established to provide comprehensive dental care to children between the ages of three and twelve. The program commenced in September 1974. With the cooperation of the Department of Education and local school boards, dental clinics have been located in schools to make access more convenient for children and parents.

Children have been enrolled as follows:

Enrollment Date	Year of Birth
September 1974	1968
September 1975	1969, 1970
September 1976	1967, 1971
September 1977	1972
February 1978	1973
September 1978	1974, 1966
September 1979	1975
September 1980	1976
September 1981	1977

Phase in Schedule



In April 1980 the Department of Health decided that an independent review of the Saskatchewan Dental Plan should be undertaken. Arrangements were made for Dr. D. W. Lewis, Professor and Head of Community Dentistry, University of Toronto, to conduct a thorough statistical evaluation of the first six years of operation of the Saskatchewan Dental Plan.

The report indicated that although the ultimate test of the Saskatchewan Dental Plan will be how it improves the oral health status of the people of Saskatchewan in the long run, the performance to date gives early indications of the likely achievement of this long term goal.

Health Region No. 1 in Swift Current had a Dental Program for almost 30 years. The program had been modified to avoid duplication of the Saskatchewan Dental Plan. The Swift Current Regional Health Board provided services to those resident children up to and including 18 years of age who were either too young or too old for enrollment in the Saskatchewan Dental Plan.

With only four age groups remaining it was not economical for this program to continue. Negotiations to absorb the Swift Current Health Region Dental Program were completed in 1981 and resulted in young people who were Swift Current Health Region residents and born in the years 1963 to 1965 and 1978 becoming eligible for enrollment in the Saskatchewan Dental Plan.

On April 1, 1982 the Saskatchewan Dental Plan assumed responsibility on behalf of the Medical Services Division, for the administration of Supplementary Health benefits — dental services.

Organization and administration

Legislative and Regulatory Authority

The Dental Care Act gives the Department of Health authority to operate a dental care program. The act authorizes the Minister to enter into agreements with or to employ dentists, dental therapists and certified dental assistants and do such other things as are necessary for the establishment and operation of the dental care program.

The Saskatchewan Dental Nurses Act, (1973) created a Saskatchewan Dental Nurses Board to estabish and maintain rules for the registration and licensing of dental nurses, to set standards of professional conduct for dental nurses, to advise the Minister of Health on matters referred to the Board and to ensure the regulations and standards of professional conduct were met by all registrants. The first Board was appointed on September 25, 1973.

The Saskatchewan Dental Nurses Act was rescinded and was replaced by **The Dental Therapists Act** in 1981. This Act established The Saskatchewan Dental Therapists Association, changed the name "dental nurse" to "dental therapist" and replaced the Saskatchewan Dental Nurses Board with the Saskatchewan Dental Therapists Council.

The Saskatchewan Dental Therapists Council establishes and maintains rules governing the registration and licensing of dental therapists and sets standards of professional conduct. The council also ensures that the regulations and standards of professional conduct are met by all registered dental therapists.

Administrative structure

The administrative organization is outlined in the organizational chart on page 6. The Saskatchewan Dental Plan is administered through a central headquarters staff, administrative staff, and warehouse and stores personnel. The province is divided into six administrative regions. Regional Headquarters are located in Swift Current, Regina, Yorkton, Saskatoon, Prince Albert and North Battleford.[1]

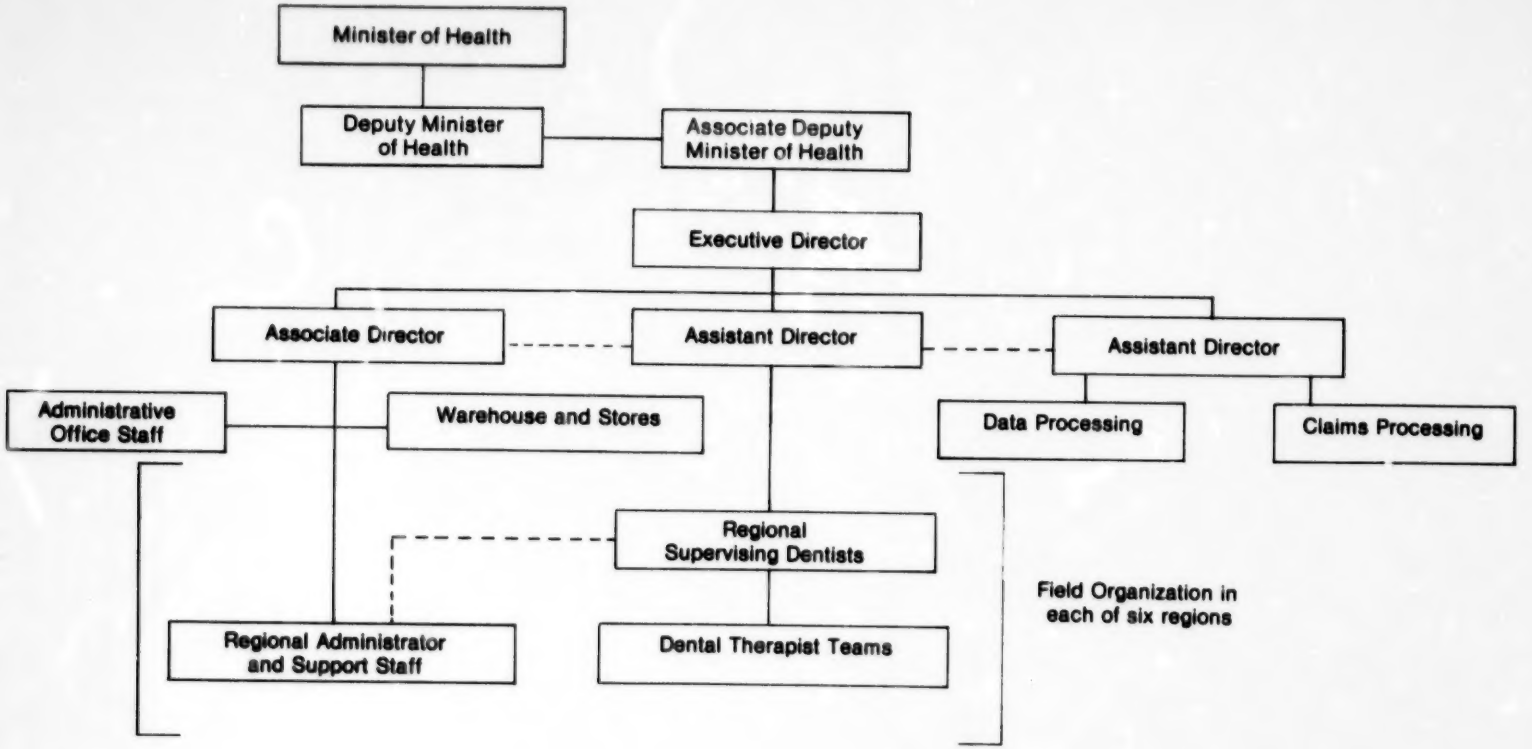
On September 1, 1982 the Eston-Elrose School Unit was moved from the North Battleford Dental Region into the Swift Current Dental Region. This shift in caseload resulted in a more efficient operation of the Dental Plan in this area.

The Saskatchewan Dental Plan does not provide coverage to children in the northern part of the province. On October 1, 1982 Northern Health Services became a branch of Saskatchewan Health. Northern Health Services Branch operates its own dental plan for children. The Saskatchewan Dental Plan provides Northern Health Services Branch with consultation, dental equipment technician services, and supplies from the Dental Plan Central Warehouse.

[1] The six Dental Plan administrative regions and headquarter locations are shown on the map on page 7.

Dental Plan administrative organization

Figure 1

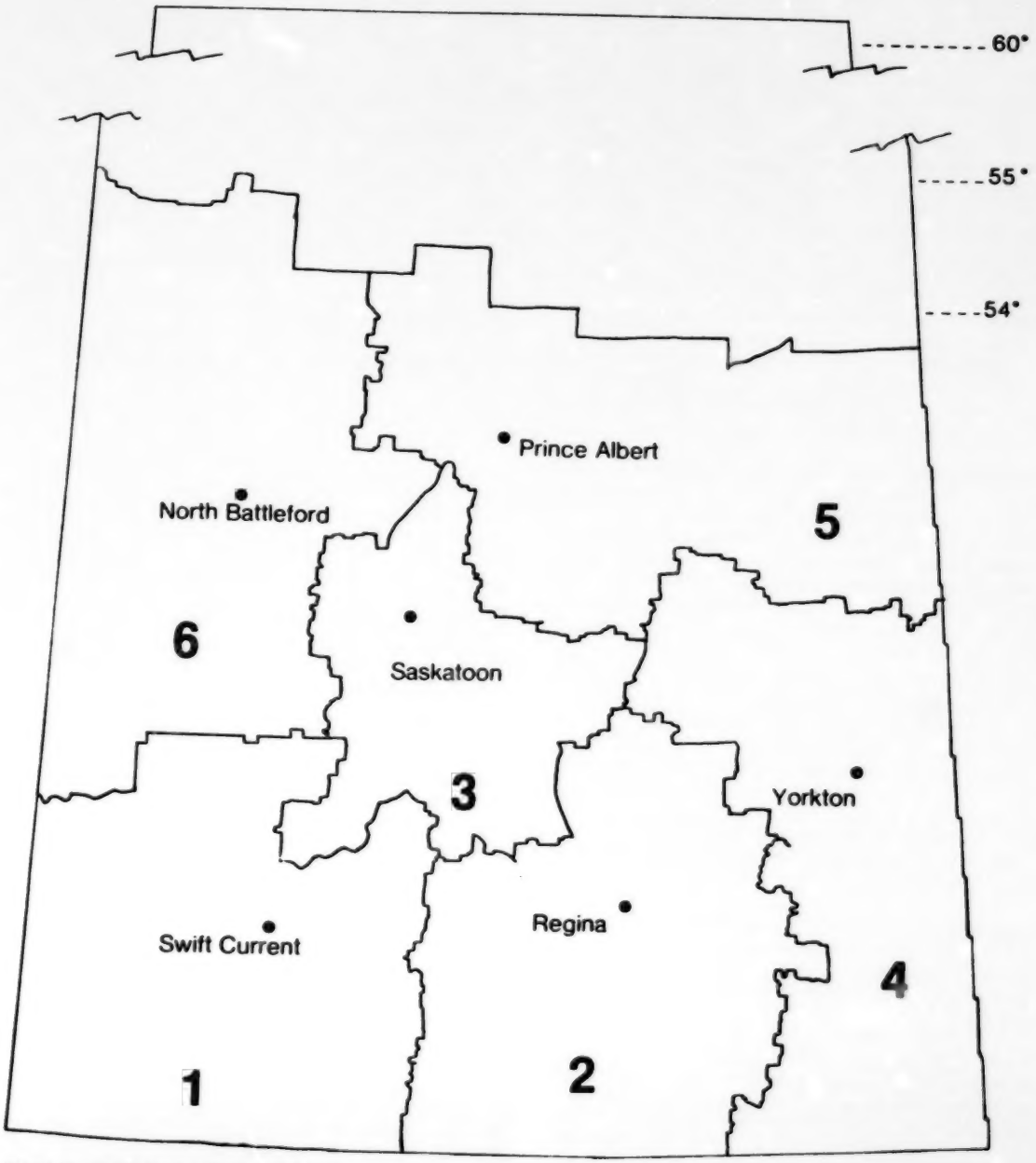


– – – – – Denotes Communication in Management Team

August 31, 1983

Dental Plan administrative regions

Figure 2



Key to administrative regions

No 1 Swift Current
No 2 Regina
No 3 Saskatoon
No 4 Yorkton
No 5 Prince Albert
No 6 North Battleford

August 31, 1983

Profile of dental plan personnel

Clinical personnel

1. Supervising dentists

The supervising dentist performs a variety of duties in close cooperation with approximately eight dental therapist teams. Each team consists of one dental therapist and one certified dental assistant. The dentist spends a great deal of time examining and formulating treatment plans for enrolled children and carries out services which are beyond the scope of the dental therapist. Lines of communication are always open between the team and the dentist in order to provide the team with immediate consultation or assistance when necessary. As supervisor, the dentist monitors the quality and quantity of work being performed by the teams. To do this, the dentist examines selected patients from each team annually using established criteria. The dentist also sees that priorities and schedules are being arranged and met.

Meeting frequently with parents, superintendents, principals, teachers and local officials, the dentist plays a significant role in public relations. All field staff are essentially public relations officers but it is the supervising dentist, together with the regional administrator, who must assess and deal with the specific difficulties and judge public sentiment.

2. Dental therapist

The Saskatchewan Dental Therapist is a graduate of a two-year training course. Students in this course learn to diagnose tooth decay and to restore permanent and baby teeth with silver amalgam and composite resin filling materials. Dental therapists are trained to place stainless steel crowns and space maintainers and to perform pulpotomies (nerve treatments) and extractions on baby teeth. Considerable emphasis in their training is placed on the prevention of dental disease.

Most practising dental therapists in Saskatchewan are employed by the Saskatchewan Dental Plan. Other employers include various provincial and federal government agencies, and dentists in private practice.

In the Dental Plan the dental therapist, with the aid of an assistant, provides the majority of preventive and restorative treatment required by Dental Plan patients.

3. Dental therapist/hygienist

Wascana Institute provides a unique dental hygiene training program. The program is specifically designed for graduate dental therapists. Dental therapists receive approximately 5 months training and obtain the skills necessary to be qualified dental hygienists. The program is accredited by the Canadian Dental Association Council on Education.

Working with a dental assistant, the therapist/hygienist provides preventive services, treatment services and staff education aimed at the prevention and treatment of periodontal disease.

In addition, the dental therapist/hygienist spends some time providing the traditional restorative and preventive services of a dental therapist.

4. Certified dental assistant

Certified dental assistants, who are graduates of a one-year course, play a dual role within the dental team. They perform many chairside duties for the dentist and therapist, such as instrument transfer, suctioning, retraction, preparation of restorative materials and sterilization; they also take radiographs, clean and polish teeth, apply topical fluoride and provide oral hygiene instruction.

Non-clinical personnel

1. Regional administrator

Regional administrators maintain records on personnel, equipment, materials, supplies and services. They work in close cooperation with supervising dentists in assigning service areas for dental therapist teams.

Regional administrators are responsible for identifying locations for dental clinics, monitoring program progress, identifying operational problems and initiating corrective action. They share with the supervising dentists, responsibility for public relations in the region and deal with specific difficulties affecting parents, staff and members of the public.

2. Equipment technician

The equipment technician is experienced in instrument technology and repair of dental equipment. He installs, repairs, and maintains all dental equipment within the region.

Preventive maintenance is practised by all staff under the guidance of the equipment technician. This maintenance eliminates a great deal of lost time because of malfunctioning dental equipment. The equipment technicians regularly visit the dental clinics and are therefore involved in considerable travel.

The supervising equipment technician provides technical guidance and on-the-job training to technicians and also undertakes some of the more complex repairs requiring specialized shop instruments and tools.

Organization of delivery of dental services

Dental facilities

The Dental Plan uses a team approach to provide dental services in the elementary school setting. Most of the work provided by the dental teams is performed in one-chair permanent dental clinics. The dental clinics situated in elementary schools have many advantages over clinics located outside the school setting. Some of the advantages are better coordination with school activities, keeping children within the familiar surroundings of their own school, minimal class disruption, and a minimum of working time lost by dental teams because of missed appointments or having to transport patients.

As of August 31, 1983 there were 541 permanent clinics located in schools throughout Saskatchewan (Appendix 1 lists dental clinics alphabetically by region). Permanent dental clinics, where possible, consist of a bright well-painted room of approximately 23 square metres, often with an adjoining waiting room and washroom. Most have overhead fluorescent lighting, a ventilation fan and an adequate number of electrical utility outlets. Each clinic has a lockable cupboard with a stainless steel sink and counter work areas. Located in the school, as close as possible to the clinic, is a large fixed air compressor.

A permanent dental clinic is furnished with a motorized dental chair with an attached light, operator and assistant stools, mobile dental cabinet, mobile dental cart, autoclave, amalgamator, brackets to accommodate a portable X-ray machine and portable lead shielding. All hand instruments are carried from clinic to clinic by the dental teams. For this purpose, a large metal instrument and supply case is furnished.

Patient care

1. Children's Dental Care

The majority of patient care in the Dental Plan is provided in schools, using a team approach.

Each team consists of a dental therapist and a certified dental assistant. Associated with each dental therapist team is a supervising dentist who works in close conjunction with about eight teams. In each region there are regional support staff including a regional administrator, an equipment technician, and clerical workers.

A great deal of preliminary work within each dental region in developing schedules is undertaken to ensure that a timetable can be developed to provide dental care to all enrolled children with as little disruption to the school as possible. School principals are contacted to discuss suitable times for the teams to visit their schools and to inform them of the number of children enrolled in their particular area. The dental therapist team explains the operation of the plan to the school staff involved and discusses the schedule within each particular school. To promote continuity, dental teams attempt to schedule their work in a school at the same time each year.

A few days before the child's initial visit to the dental clinic, parents are contacted by phone or letter. On the first clinic visit, the child's medical history is checked to see if there are any medical conditions which might affect the provision of dental care. A simple examination of the child's mouth is performed to determine if diagnostic X-rays are required. Any required radiographs are taken and processed.

During the second visit, the dentist or dental therapist gives the child a full clinical examination. A treatment plan is written to suit the individual preventive and restorative needs of the child. Parents are encouraged to be present for this visit so that the pertinent diagnostic findings and treatment planning can be discussed directly with them. At this time, diet and oral hygiene are also discussed with the parent and child. The prevention of dental disease is of great importance, and the dental teams stress preventive measures with the parents and children throughout the course of treatment.

Except for emergencies and urgent problems, the actual dental treatment usually commences at the third clinical session. A dental therapist and certified dental assistant carry out treatment in accordance with the treatment plan. As treatment progresses, any necessary modifications in the treatment plan are made in consultation with the supervising dentist. Dental teams are encouraged to perform quadrant dentistry, so that all necessary treatment in any quarter of the mouth is performed during one visit. Most restorative treatment is performed with the use of rubber dam, a technique which provides improved visibility and control of the operating field for the dental therapist and comfort and protection of the patient.

Referrals to private practitioners are written for specific dental treatment. Private practitioners may also provide emergency services to enrolled children.

2. Adolescent Dental Care

Children enrolled in the Saskatchewan Dental Plan have been receiving dental care primarily in school dental clinics. Upon leaving school they will be responsible for their own dental health and will need to seek care from a dentist in general practice. A bridging program has been developed in cooperation with the College of Dental Surgeons of Saskatchewan to encourage young people to make this transition. The program provides for a number of children 14 years and over who are enrolled in the Dental Plan to receive care in private dental offices.

In the school year 1981-82 the Dental Plan arranged for a number of enrolled children born in 1966 and 1967 to be treated by private dentists. The Department of Health agreed to make a capitation payment to the College of Dental Surgeons of Saskatchewan for each young person making one or more dental visits to the participating dentist. All covered services were to be provided at no charge to the parents.

In turn, in an agreement between the College of Dental Surgeons of Saskatchewan and participating dental practitioners, dentists were paid on a fee-for-service basis in accordance with a payment schedule established by the College for this program.

The agreement between the College and the Department of Health also specified that dentists would make every effort to ensure the participation of patients assigned to them and that a Quality Assurance Committee would be established to assess and make recommendations about the quality of care provided to young people both in dental clinics and in dental offices.

Accordingly, a Quality Assurance Committee was established consisting of a dentist from private practice, a dentist from the College of Dentistry, University of Saskatchewan and a dentist from the Saskatchewan Dental Plan, to review dental treatment provided to adolescents enrolled in the program. The committee has established criteria for the evaluation of dental care. Each school year members of the committee visit a number of schools in the province and examine young people who have been treated in the program. The committee sees examples of dental care provided by dentists participating in the adolescent dental plan and by dental therapists in school dental clinics. The committee reports its findings regularly to the College of Dental Surgeons of Saskatchewan and the Department of Health.

As a result of the successful implementation of the Adolescent Dental Program, an increased number of adolescents were transferred to private practice in the 1982-83 program year. In order to provide dental services, schools with grades 9, 10 and 11 were designated as either Dental Plan schools or general practice schools. In Dental Plan schools care was provided by Dental Plan staff in school clinics. In the selected general practice schools, dental care was provided in the office of a participating dentist of the parent's choice.

All schools assigned to general practice were within fifty kilometres driving distance of a participating dentist. During the year, 73% of all children born in 1966, 57% of those born in 1967 and 48% of those born in 1968 were treated by private practitioners.

The capitation payment to the College of Dental Surgeons during 1982-83 was $99 for each young person making one or more visits to a participating dentist.

Statistical highlights of the second year of operation of the adolescent program are presented in Tables 1A-1C.

Table 1A

Dental health of enrolled adolescents — September 1982 - August, 1983

	1966		1967		1968	
	Assigned to Dental Plan	Assigned to General Practice	Assigned to Dental Plan	Assigned to General Practice	Assigned to Dental Plan	Assigned to General Practice
Decayed, Missing, Filled Permanent Teeth (DMF/child)	9.56	8.91	8.12	8.06	6.99	7.18
Decayed	1.33	1.49	1.25	1.42	1.27	1.55
Missing	.48	.47	.40	.35	.28	.30
Filled	7.74	6.95	6.47	6.28	5.43	5.31
% Children with DMF of 0	2.91	3.61	3.26	3.89	4.23	4.51

Table 1B

Number of enrolled adolescents utilizing dental services

Year of Birth	Provider of Service	Number Enrolled	Number Seen Once or More	Percent of Enrolled Seen Once or More
1966	Dental Plan	3,228	3,271	101.33[2]
	General Practice	8,971	7,021	78.26
	Sub total	12,199	10,017[1]	82.11
1967	Dental Plan	5,249	5,269	100.38[2]
	General Practice	7,197	5,611	77.96
	Sub total	12,446	10,534[1]	84.64
1968	Dental Plan	6,791	6,900	101.61[2]
	General Practice	6,470	5,312	82.10
	Sub total	13,261	11,810[1]	89.06
Total	Dental Plan	15,268	15,440	101.13[2]
	General Practice	22,638	17,944	79.26
	Total	37,906	32,361[1]	85.37

[1] As a young person could have been seen once by both Dental Plan staff and Private Practitioners due to school changes during the year, the two individual items do not equal the sum.
[2] As a number of young people were transferred to private practice for treatment in January of the school year, the number seen once or more times by Dental Plan staff is greater than the number enrolled at August 31, 1983.

Table 1C

Principal clinical services provided to adolescents born in 1966, 1967 and 1968 September, 1982 — August, 1983

Service	Assigned to General Practice	Assigned to General Practice per 1,000 adolescents seen one or more times	Assigned to Dental Plan	Assigned to Dental Plan per 1,000 adolescents seen one or more times
Comprehensive examination	17,631	983	14,510	940
Emergency oral examination	245	14	775	50
Specific oral examination	292	16	5,984	388
Intra-oral periapical radiogram-single film	1,351	75	1,061	69
Intra-oral periapical radiogram-two films	3,175	177	244	16
Intra-oral periapical radiogram-three films	283	16	52	3
Intra-oral periapical radiogram-four films	762	42	33	2
Intra-oral periapical radiogram-five films	167	9	7	.45
Intra-oral/occlusal- single film	28	2	31	2
Intra-oral/bitewing- one film	23	1	119	8
Intra-oral/bitewing- two films	12,088	674	5,212	338
Dental prophylaxis, oral hygiene instruction and topical fluoride	14,596	813	13,318	863
Fillings				
Permanent — one surface	12,221	681	8,715	564
Permanent — two surfaces	7,995	446	6,709	435
Permanent — three surfaces	2,082	116	1,931	125
Permanent — four surfaces	302	17	325	21
Permanent — five surfaces	74	4	70	5
Acrylic or composite Class I or V only	787	44	1,257	81
Class III	1,612	90	1,583	103
Class IV	402	22	252	16
Acrylic or composite, acid etch tech., double class IV (involving mesial & distal)	104	6	76	5
Plastic (acrylic) processed	277	15	55	4
Endodontics - one canal	222	12	136	9
Extraction - single tooth	1,387	77	391	25
Each additional tooth in the same quadrant at the same appointment	63	4	33	2

Preventive Programs

The Dental Plan strives to offer the most effective and practical measures available to reduce the incidence of dental disease. To help accomplish this objective, the position of Prevention and Research Coordinator has been established. This person is responsible for planning, implementing and evaluating prevention and research projects within the Dental Plan, training Dental Plan staff in prevention-related activities, developing and coordinating health education materials, and acting as a resource person for Dental Plan staff. In this way, prevention activities are coordinated centrally within the Dental Plan.

An individual approach to prevention is used within the dental clinic. When indicated, children enrolled in the Dental Plan receive individual oral hygiene and nutritional instruction, as well as topical applications of fluoride. An attempt is made by the dental teams to identify and concentrate their efforts on those children with a high risk for dental disease.

The school-based fluoride mouthrinse program and the tooth sealant program are two recently implemented preventive programs.

Tooth sealants are now provided when needed by Dental Plan staff to their patients. Tooth decay commonly occurs on the chewing surfaces of teeth. Sealants have been shown to be both safe and effective in preventing decay on these surfaces. The application procedure is simple. The chewing surface of a permanent molar or pre-molar is cleaned and treated with a mild conditioning solution which allows the sealant to stick to the tooth. The plastic sealant material is then applied to the grooves of the tooth.

Selected schools in each region are participating in fluoride mouthrinse programs with the approval of the local school board and school personnel. The fluoride mouthrinse procedure is a safe and economical way to prevent tooth decay and requires little classroom time. Every other week, under supervision, the students rinse with a 0.2% neutral sodium fluoride solution for one minute, and then return the solution to a paper cup for proper disposal. Studies show that fluoride rinsing reduces tooth decay by about 35%. This procedure is entirely voluntary and without cost to parents.

As of June 1983 more than 5,000 students were participants in fluoride mouthrinse programs. A list of the participating schools by region follows.

North Battleford Dental Region

Location	School
Glaslyn	Glaslyn School
Lashburn	J. H. Moore Elementary
Lashburn	Lashburn High
Livelong	Livelong Elementary
Medstead	Medstead School
Scott	Lakeview Hutterite Elementary
Unity	St. Peter's Elementary

Swift Current Dental Region

Location	School
Central Butte	Central Butte Elementary
Fox Valley	Fox Valley School
Gouldtown	Gouldtown Elementary
Herbert	Herbert Elementary
Hodgeville	Hodgeville Elementary
Mankota	Mankota School
Morse	Morse School
Piapot	Piapot Elementary
Ponteix	Ponteix Elementary
Riverhurst	Riverhurst Elementary
Stewart Valley	Stewart Valley Elementary
Success	Success Elementary
Vanguard	Vanguard Elementary

Regina Dental Region

Location	School
Abernethy	Abernethy Elementary
Balcarres	Balcarres School
Earl Grey	Earl Grey School
Fort Qu'Appelle	Fort Qu'Appelle Elementary
Indian Head	Indian Head Elementary
Sintaluta	Sintaluta Elementary
Southey	Southey School

Saskatoon Dental Region

Location	School
Delisle	Delisle Elementary
Domremy	Domremy School
Hague	Prince Phillip Elementary
Leroy	Leroy Elementary
Perdue	Perdue School
St. Louis	St. Louis School
Waldheim	Waldheim School

Yorkton Dental Region

Location	School
Alida	Alida School
Benson	Benson School
Broadview	M. B. Cope Elementary
Carievale	Carievale School
Corning	Corning School
Duff	Duff Elementary
Estevan	Scotsburn School
Fairview	Fairview Elementary
Glen Ewen	Glen Ewen School
Gainsborough	Gainsborough School
Hubbard	Hubbard Elementary
Killaly	Killaly School
Lampman	Lampman School
Langbank	Langbank School
Lemberg	Lemberg School
Neudorf	Neudorf Elementary
Redvers	Redvers School
Torquay	Torquay School

Prince Albert Dental Region

Location	School
Aylsham	Alysham Elementary
Big River	T. D. Michel Elementary
Carrot River	Carrot River Elementary
Chelan	Chelan Elementary
Christopher Lake	Christopher Lake Elementary
Debden	Debden School
Kinistino	Kinistino Elementary
Kinistino	R. J. Humphrey
Paddockwood	Paddockwood Elementary
Pleasantdale	Pleasantdale School
Prince Albert Rural	West Central Elementary
Star City	Norwood Hutterite Elementary
Yellow Creek	Yellow Creek School

Dental health promotion

Dental Plan staff are continually involved in community dental health education and promotion activities. Staff frequently participate in community and school association meetings, prenatal class presentations, career days, school open house activities, shopping mall displays and health fairs. Many dental teams also provide dental health instruction in the classroom. These activities are intended to promote dental health and to make current dental health information available to the public. For example, the importance of community water fluoridation is stressed as a practical and effective health measure for safely and economically reducing the incidence of tooth decay.

Continuing education

Continuing education is encouraged for all staff in the Dental Plan. Supervising dentists work with individual dental teams and groups of teams presenting and reviewing dental techniques. Each dental region meets several times a year. Normally a portion of each meeting is set aside for continuing education. Topics include reviews of clinical procedures, patient management, and communication skills.

The Dental Division of Wascana Institute at the request of the Dental Plan, instituted a two-day continuing education course for dental therapists and assistants. This course will be presented in future years to allow participation by all staff. In the spring of 1983, 60 dental therapists and 60 assistants attended the course. Dental assistants studied radiographic procedures, patient management, fissure sealant application and techniques for finishing amalgam restorations. Dental therapists reviewed complex amalgam and composite restorations. The course includes lectures and practical laboratory exercises.

Many staff members received partial support for attending courses and meetings presented by other organizations in the province such as the Dental Therapists Association, the College of Dental Surgeons of Saskatchewan, and the University of Saskatchewan.

A number of dentists in the Dental Plan attended management courses sponsored by the Department of Health and the Public Service Commission.

The dental equipment technicians attended a course presented by factory representatives reviewing the repair and maintenance of selected dental x-ray equipment.

Other Activities

In addition to the major responsibility of improving the level of dental health of children in the province, the Saskatchewan Dental Plan is involved in other dental activities.

The Dental Plan provides consultation on provincial dental matters to other agencies such as the Northern Health Services Branch, Community Health Services Branch, Medical Care Insurance Commission, and the Federal Government.

The Dental Plan administers the Supplementary Health Benefits Dental Program. In this capacity the Dental Plan summarizes unusual claims for review by the Dental Advisory Board and processes approved claims for payment. Details are available in Appendix 2.

The College of Dentistry at the University of Saskatchewan and the Dental Plan work together to provide students and new graduates an opportunity to gain firsthand knowledge of the Dental Plan. As well as encouraging graduates to consider a career as a supervising dentist with the Dental Plan, the knowledge gained from this experience helps build a positive working relationship between those graduates entering private practice in the province and the Dental Plan. College of Dentistry students at the University of Saskatchewan have an opportunity to learn about the Dental Plan through class discussions in which Dental Plan staff participate, by visits to Dental Plan clinics and by working in a Dental Plan clinic during a portion of their fifth year of training.

One dental student was employed by the Dental Plan in Regina for the months of June, July and August to write a report of an adolescent periodontal survey conducted earlier in the year.

The Dental Plan also offers part-time employment to recent graduates of the College of Dentistry, University of Saskatchewan. Two recent graduates provided dental care on a part-time basis to children attending Dental Plan clinics. These dentists become familiar with the Dental Plan and gain experience in providing dental care to children.

The Dental Plan and the College of Dental Surgeons participate in a summer externship program. This program provides fifth year dental students at the University of Saskatchewan with an opportunity to gain experience in providing preventive and treatment procedures in a rural dental practice setting under the guidance of a general practitioner. The Dental Plan provided a grant to the College of Dental Surgeons of $800.00 per student per month for 9 students who worked a total of 26 months. This grant was paid to the general practitioner who in turn paid the student a salary of $1,600.00 a month.

Table 2

Enrollment of Eligible Children[1] (excluding Registered Indians)

as at August 31, 1983

Age Group	Number Eligible	Number Enrolled	Percent Enrolled	Number Refused	Percent Refused	Number No Response	Percent No Response
Total[2]	177,625	153,281	86.3	18,193	10.2	6,151	3.5
Born 1964[3]	1,068	617	57.8	180	16.8	271	25.4
Born 1965[3]	976	585	59.9	140	14.4	251	25.7
Born 1966	15,360	11,751	76.5	2,544	16.6	1,065	6.9
Born 1967	14,641	11,955	81.7	2,080	14.2	606	4.1
Born 1968	14,648	12,665	86.5	1,656	11.3	327	2.2
Born 1969	14,648	12,600	86.0	1,690	11.5	358	2.5
Born 1970	14,400	12,563	87.2	1,498	10.4	339	2.4
Born 1971	14,407	12,598	87.5	1,473	10.2	336	2.3
Born 1972	14,336	12,646	88.2	1,375	9.6	315	2.2
Born 1973	13,988	12,447	89.0	1,243	8.9	298	2.1
Born 1974	14,224	12,730	89.5	1,150	8.1	344	2.4
Born 1975	14,464	13,068	90.4	1,057	7.3	339	2.3
Born 1976	14,688	13,140	89.4	1,009	6.9	539	3.7
Born 1977	15,026	13,290	88.4	1,034	6.9	702	4.7
Born 1978[3]	751	626	83.4	64	8.5	61	8.1

[1] Enrollment figures include those adolescents eligible for treatment by general practice dentists in the Adolescent Dental Program.

[2] Enrollment figures for Registered Indians are reported separately. Because of a number of circumstances unique to that group of children, their participation in the Dental Plan is markedly lower than that of other eligible children (see Table 3).

[3] Effective September 1, 1981 the Swift Current Health Region's Dental Program was absorbed. Young people resident in the region who were born in the years 1964, 1965 and 1978 became eligible to enroll in the Dental Plan.

Table 3

Enrollment of Eligible Registered Indians[1]

as at August 31, 1983

Age Group	Number Eligible	Number Enrolled	Percent Enrolled	Number Refused	Percent Refused	Number No Response	Percent No Response
Total	11,988	6,665	55.6	468	3.9	4,855	40.5
Born 1964[2]	4	0	.0	0	.0	4	100.0
Born 1965[2]	10	3	30.0	0	.0	7	70.0
Born 1966	1,009	448	44.4	48	4.8	513	50.8
Born 1967	916	491	53.6	40	4.4	385	42.0
Born 1968	1,030	596	57.9	51	4.9	383	37.2
Born 1969	959	569	59.3	37	3.9	353	36.8
Born 1970	999	616	61.7	57	5.7	326	32.6
Born 1971	994	630	63.4	42	4.2	322	32.4
Born 1972	1,028	638	62.1	37	3.6	353	34.3
Born 1973	991	605	61.1	40	4.0	346	34.9
Born 1974	1,012	592	58.5	30	3.0	390	38.5
Born 1975	972	537	55.2	33	3.4	402	41.4
Born 1976	1,022	508	49.7	32	3.1	482	47.2
Born 1977	1,042	432	41.5	21	2.0	589	56.5
Born 1978[2]	0	0	.0	0	.0	0	.0

[1] Enrollment figures include those adolescents eligible for treatment by general practice dentists in the Adolescent Dental Program.

[2] Effective September 1, 1981 the Swift Current Health Region's Dental Program was absorbed. Young people resident in the region who were born in the years 1964, 1965 and 1978 became eligible to enroll in the Dental Plan.

Dental health of enrolled children

Every child in the Dental Plan is examined once a year to determine the dental health of enrolled children. This is a thorough examination with a dental light, mirror, explorer and air to dry the teeth. X-rays may be used to detect cavities between the teeth that cannot be seen otherwise.

Children in the province experience considerable tooth decay at a young age. It can be seen in Table 4A that the average five year old had 1.64 decayed deciduous (baby) teeth.

Table 4B shows the dramatic decrease in the number of decayed, missing and filled permanent teeth for individual age groups from the 1974-75 program year to the 1982-83 program year.

Figure 4 reflects the increase in the ratio of preventive services and the corresponding decrease in the ratio of restorative services during the nine years the Dental Plan has been in operation.

Figure 5 reflects the improvement of dental health of six year old children during the nine years the Dental Plan has been in operation.

The total number of decayed, missing and filled permanent and baby teeth for six year old children, as shown in Figure 5, has declined from 6.5 in 1974-75 to 3.8 in 1982-83. It should be noted that in addition to an overall reduction in the total there has been a significant change from the major category being decayed teeth for six year olds in 1974-75 to the major category being filled teeth for six year old children in 1982-83.

Table 4A

Dental Health of Enrolled Children September, 1982 — August, 1983

	Average Number or Percent Per Adolescent By Year of Birth					Average Number or Percent Per Elementary Child By Year of Birth									
	1964[1]	1965[1]	1966[1]	1967[1]	1968[1]	1969[1]	1970[1]	1971[1]	1972[1]	1973[1]	1974	1975	1976	1977	1978
Decayed, extracted, filled deciduous teeth (DEF)	–	–	–	–	–	–	–	–	–	–	3.89	3.77	3.54	3.05	2.40
Decayed	–	–	–	–	–	–	–	–	–	–	.64	.85	1.18	1.52	1.64
Extracted	–	–	–	–	–	–	–	–	–	–	.21	.14	.10	.07	.04
Filled	–	–	–	–	–	–	–	–	–	–	3.03	2.78	2.25	1.44	.71
Decayed, missing, filled permanent teeth (DMF)	11.37	9.95	9.12	8.09	7.07	5.48	4.33	3.43	2.76	2.27	1.45	.83	.31	.04	–
Decayed	1.77	1.64	1.44	1.33	1.39	1.08	.89	.70	.59	.59	.56	.48	.24	.03	–
Missing	.61	.51	.47	.37	.29	.26	.17	.09	.04	.02	.00	.00	.00	.00	–
Filled	8.98	7.79	7.21	6.37	5.38	4.13	3.25	2.63	2.11	1.64	.88	.35	.06	.00	–
Total DEF and DMF	–	–	–	–	–	–	–	–	–	–	5.35	4.60	3.85	3.09	–
Children with DMF of 0	3.54%	2.61%	3.38%	3.58%	4.35%	7.00%	10.12%	14.08%	19.70%	25.56%	43.81%	62.69%	83.90%	97.64%	–
Children with DEF of 0	–	–	–	–	–	–	–	–	–	–	18.31%	23.36%	28.69%	37.40%	47.39%
Children with DMF and DEF of 0	–	–	–	–	–	–	–	–	–	–	13.19%	19.98%	27.11%	37.22%	–
Decayed deciduous and permanent teeth	–	–	–	–	–	–	–	–	–	–	1.21	1.33	1.43	1.56	1.64
Filled deciduous and permanent teeth	–	–	–	–	–	–	–	–	–	–	3.91	3.11	2.31	1.45	.71
Ratio filled deciduous and permanent teeth to DMF and DEF	–	–	–	–	–	–	–	–	–	–	.73	.67	.60	.46	.29
Ratio missing and extracted to filled teeth	.06	.06	.06	.05	.05	.06	.05	.05	.05	.05	.05	.04	.04	.05	.06
Permanent teeth erupted and not decayed	17.50	18.76	18.98	19.61	20.23	20.00	19.18	16.66	13.26	10.72	9.29	7.28	3.84	.80	–
Deciduous teeth filled and redecayed	–	–	–	–	–	–	–	–	–	–	.14	.12	.10	.06	.04
Permanent teeth filled and redecayed	.69	.43	.30	.22	.19	.07	.05	.04	.03	.03	.01	.00	.00	.00	–

[1] Dental health indices on deciduous teeth for these children have not been reported since too high a proportion of deciduous teeth have already been shed.

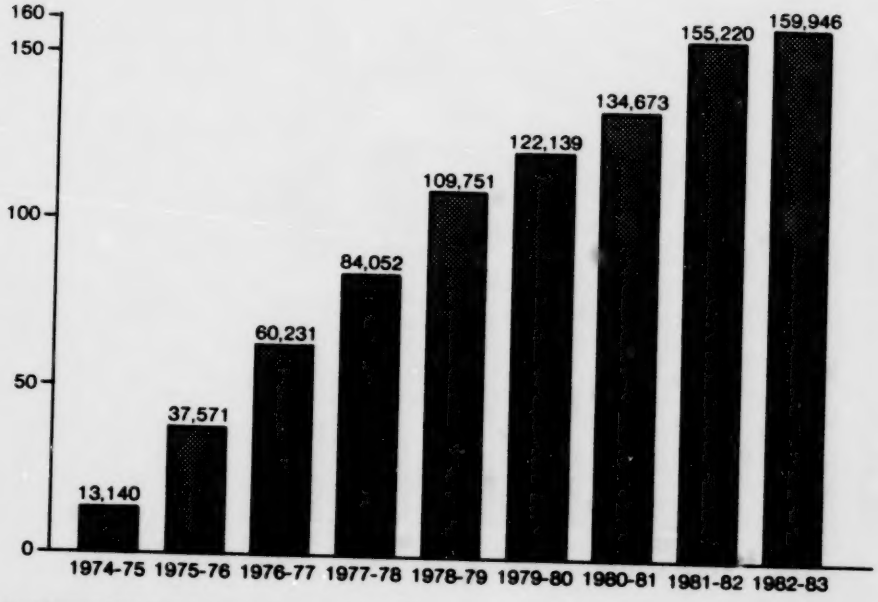
Table 4B

Progression of Decayed, Missing and Filled (DMF) Teeth by Age 1974/75 to 1982/83

Age School Year	6	7	8	9	10	11	12	13	14
1974-75	.94	–	–	–	–	–	–	–	–
1975-76	.80	1.95	–	–	–	–	–	–	–
1976-77	.72	1.81	2.71	3.10	–	–	–	–	–
1977-78	.67	1.52	2.54	3.21	3.68	–	–	–	–
1978-79	.57	1.46	2.26	3.01	3.65	4.42	5.23	–	–
1979-80	.53	1.24	2.08	2.69	3.43	4.20	5.24	6.25	–
1980-81	.38	1.17	1.80	2.47	3.07	3.94	4.96	6.25	7.32
1981-82	.32	.93	1.76	2.30	2.96	3.63	4.71	5.86	7.17
1982-83	.31	.83	1.45	2.27	2.76	3.43	4.33	5.48	7.07

Figure 3

Total Number of Enrolled Children by Year of Operation of Dental Plan (Includes Registered Indians)[1]



[1] As of August 31 in each program year.

Figure 4

Percent Preventive Services and Percent Restorative Services

(Rate per 1,000 enrolled children)

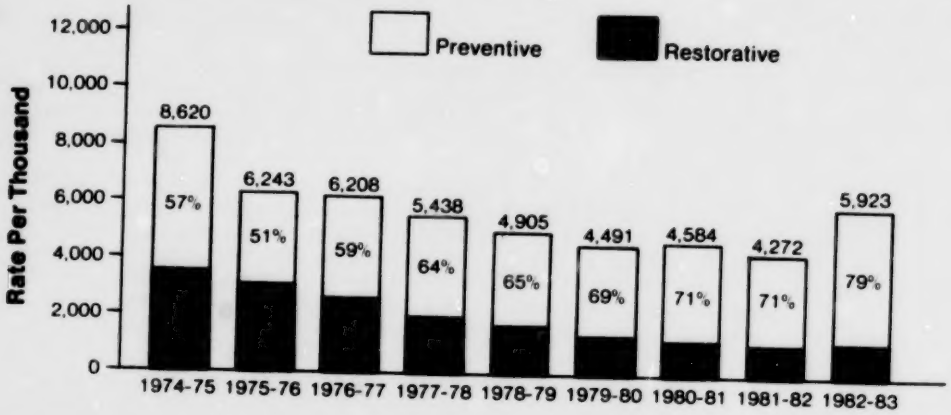
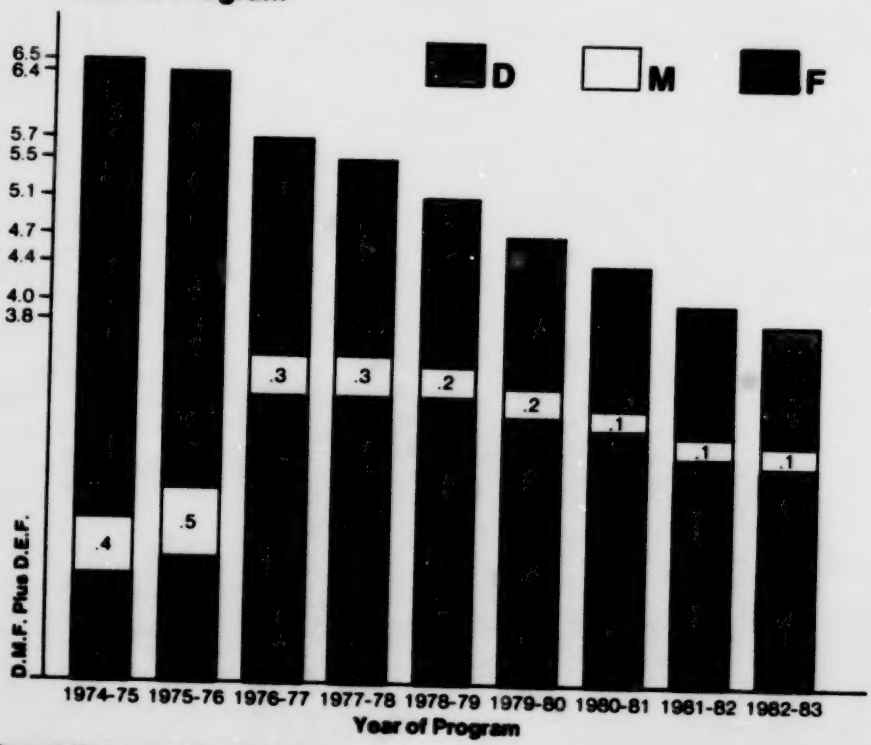


Figure 5

Total D.M.F.[1] and D.E.F.[2] for a Six Year Old Child by Year of Program



[1] Decayed, Missing, Filled (Permanent teeth)
[2] Decayed, Extracted, Filled (Deciduous teeth)

Periodontal Survey

A periodontal survey was conducted to gather information about gum disease in young Saskatchewan adolescents. The results of the survey will be used to plan for the prevention and treatment of gum disease in these young people. Also, the results will be of interest to the many dentists in Canada and around the world who study dental disease.

In December 1982 and January 1983, 1,918 young people aged 12 to 16 inclusive, who were enrolled in the Saskatchewan Dental Plan, were examined in this survey. Those examined were selected in a random fashion from the North Battleford, Prince Albert, Saskatoon and Regina Dental Plan regions.

Four factors associated with gum disease were measured with the following results.

A. Amount of irritation and inflammation of the gums (bleeding)

Almost all adolescents (92%) showed some sign of irritated gums. However, few (14%) had severe irritation and most (64%) had only mild inflammation.

B. Amount of soft material on the teeth

Most young people have small amounts of debris in their mouth (73%). Very few (3%) show that they regularly neglect to clean their teeth. The older age groups had cleaner teeth probably because they are more interested in their appearance.

C. Amount of hard deposits (called tartar or calculus) on the teeth

Until recently most dentists felt that very few young people have hard deposits on their teeth. However, this survey found that 74% had some tartar on their teeth. Only a small number of young people (18%) have large amounts of tartar requiring extensive treatment. Tartar is significant in manpower planning because it can only be removed by dental hygienists.

D. Loss of bone support by the gums for the teeth

Only 3% of the young people surveyed showed any sign of this more advanced stage of gum disease.

In conclusion, nearly all young people in Saskatchewan have early signs of gum disease. To prevent more severe gum disease in later life the prevention and treatment of gum disease should be emphasized in young adolescents.

Services provided to enrolled children

All services provided by Dental Plan staff are recorded, for statistical purposes, in a data information system in addition to the customary patient service record. The volume of services provided by dental plan staff and private dental practitioners during the 1982-83 program year is shown, by age of patient, in table 5. Comparisons with the volume of service provided in previous years may be made by referring to previous reports.

Table 5

Clinical Services Provided[1] September 1982 — August, 1983

Services	Number (By Year of Birth)															
	1964[2]	1965[2]	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978[2]	Total
Parent contacts																
In person	1	0	410	670	1,130	2,492	2,735	3,211	4,005	4,505	4,981	5,222	4,901	7,154	956	42,373
By phone	0	0	1,113	1,864	2,477	4,841	4,299	4,625	5,282	5,424	6,155	6,786	5,916	6,876	461	56,119
By letter	0	0	4,184	6,359	9,226	19,646	19,022	18,803	20,053	19,889	21,315	22,468	20,764	17,530	115	199,374
Diagnostic services																
Initial oral examination	394	448	6,970	5,696	5,610	711	786	847	866	902	919	1,052	1,409	2,400	86	29,096
Emergency oral examination	3	9	319	328	373	610	708	688	793	811	861	865	928	847	12	8,155
Specific oral examination	2	4	1,601	1,901	2,816	8,810	5,067	5,615	9,437	5,364	6,668	10,274	4,972	1,488	15	64,034
Recall examination	0	0	3,054	4,652	6,159	12,023	11,948	11,965	12,141	11,869	12,183	12,295	12,061	10,760	474	121,584
Diagnostic models	4	9	95	75	107	93	98	110	194	237	252	200	66	30	5	1,575
Radiographic services																
Periapical radiographs	200	208	5,561	4,153	4,649	1,674	1,549	1,666	2,054	2,092	1,863	1,864	1,322	858	28	29,741
Bitewing radiographs (single film)	606	712	12,213	10,919	11,702	9,686	7,771	6,541	6,129	6,266	7,064	7,509	7,184	5,354	116	99,772
Panoramic radiographs	0	0	9	8	6	7	10	6	4	5	8	6	6	1	0	76
Occlusal single	0	0	15	19	27	40	21	39	64	83	144	174	121	79	5	831
Preventive services																
Dental prophylaxis	339	381	8,744	9,201	10,535	11,634	11,661	11,932	12,035	11,741	11,921	12,066	12,032	11,573	508	136,303
Polish amalgam	0	0	1,427	1,783	2,415	4,919	4,423	4,190	4,312	4,855	5,390	5,233	4,700	3,953	44	47,644
Topical fluoride	0	0	2,912	4,468	5,992	11,136	11,227	11,510	11,675	11,529	11,783	11,933	11,941	11,504	487	118,097
Fluoride varnish	0	0	2	5	7	27	18	23	26	22	23	25	26	26	0	230
Nutritional counsel (individual)	0	0	422	557	808	1,552	1,636	1,531	1,788	1,665	1,785	1,670	1,692	1,691	50	16,847
Oral hygiene instruction (individual)	0	0	2,901	4,321	5,947	11,584	11,738	11,810	11,981	11,820	11,915	12,127	11,970	11,486	530	120,130
Fissure sealant	0	0	1,730	3,062	5,463	13,979	15,102	11,718	8,057	6,924	9,466	13,352	10,774	2,433	17	102,077
Fluoride mouthrinse (participants per year)	0	0	76	102	161	253	388	748	716	766	783	849	733	176	1	5,752
Group instructions[3]	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2,486
Restorative services																
Total amalgam restorations (silver)	**540**	**605**	**13,331**	**12,490**	**14,757**	**14,869**	**11,983**	**10,376**	**10,962**	**13,695**	**16,539**	**17,734**	**16,741**	**16,269**	**651**	**171,532**
Amalgam primary																
One surface	1	0	16	9	26	53	65	172	442	941	1,610	2,162	3,365	4,903	277	14,042
Two surface	0	0	16	25	39	131	281	890	2,329	4,272	6,331	8,016	9,100	9,826	327	41,583
Three surface	0	0	2	8	11	25	75	181	424	571	708	683	736	919	43	4,386
Four surface	0	0	0	1	1	3	8	15	33	50	54	36	36	55	1	293
Five surface	0	0	0	0	0	0	1	1	0	2	1	2	0	0	0	7
Amalgam permanent																
One surface	177	238	6,388	6,237	8,311	8,817	7,464	5,933	5,055	5,421	5,889	5,198	2,573	382	2	68,085
Two surface	221	224	5,026	4,782	4,896	4,601	3,385	2,649	2,322	2,014	1,747	1,464	836	149	1	34,317
Three surface	105	107	1,569	1,202	1,242	1,037	610	442	298	339	181	142	69	22	0	7,365
Four surface	28	28	263	182	182	168	80	80	49	69	17	29	22	2	0	1,199
Five surface	8	8	51	44	49	34	14	13	10	16	1	2	4	1	0	255
Composite restorations (white)	126	132	2,279	1,893	1,958	1,842	1,420	1,299	1,078	803	584	328	235	283	12	14,272

Retentive pins	12	20	204	120	66	77	58	55	41	51	27	24	12	1	0	768
Stainless steel crowns	0	0	35	20	30	53	46	105	323	683	1,344	1,818	2,136	2,285	69	8,947
Crowns																
Porcelain, plastic, cast or preformed metal	13	19	243	131	63	33	18	24	14	8	2	4	0	0	0	572
Caries control																
Removal of decay and placement of sedative dressing	11	17	113	147	116	181	181	232	310	288	248	243	275	393	6	2,761
Discing or slicing	0	0	49	54	64	73	98	152	284	475	717	939	412	114	11	3,442
Prosthetic services																
Full dentures	0	0	3	1	3	0	0	0	1	2	0	0	0	0	0	10
Partial dentures	2	3	47	18	8	8	13	14	6	5	1	0	0	1	0	126
Pulp therapy services																
Direct pulp cap	0	0	27	34	44	84	55	75	52	60	37	20	11	10	0	509
Indirect pulp cap	0	0	79	84	115	206	139	94	71	94	59	73	25	27	0	1,066
Root canal therapy	0	0	35	26	42	36	67	150	393	653	1,081	1,313	1,546	1,923	81	7,349
Pulpotomy	3	9	143	124	91	67	39	62	33	28	14	5	0	0	0	618
Periodontal services	0	0	151	164	184	217	167	138	102	86	63	38	16	6	0	1,332
Surgical services																
Extraction of primary teeth	104	33	579	450	845	842	1,251	1,776	2,097	1,944	1,581	1,636	1,520	1,068	22	15,748
Extraction of permanent teeth	0	0	39	36	52	80	67	66	49	65	22	14	11	1	0	502
Extraction of primary teeth for orthodontic purposes	0	0	9	24	48	276	567	712	879	859	1,120	910	523	243	1	6,171
Extraction of permanent teeth for orthodontic purposes	0	0	49	60	146	308	495	486	305	214	103	93	37	12	0	2,308
Removal of residual roots (soft tissue coverage)	2	2	28	11	9	5	6	5	6	17	3	11	7	8	0	120
Open and drainage of tooth	1	1	13	24	18	30	15	19	27	24	27	24	31	19	0	273
Surgical exposure of unerupted tooth	0	0	0	2	2	3	5	2	4	4	13	5	0	1	0	41
Removal of tooth specialist	0	0	11	7	37	30	34	25	40	36	20	17	5	0	0	262
Other surgical services specialist	0	8	75	25	24	56	72	53	63	55	24	21	15	3	0	494
Space maintainers and minor orthodontic services																
Unilateral space maintainer	0	0	7	1	5	1	6	10	30	88	210	318	348	284	6	1,314
Bilateral space maintainer	0	0	1	1	6	10	13	19	41	59	74	76	27	20	2	349
Tooth movement and space regaining	0	2	37	31	52	37	38	58	82	114	140	80	16	2	0	689
Observation/adjustment of active appliance	0	0	124	110	191	153	169	200	313	411	404	231	41	5	0	2,352
Removal/re-cement of fixed appliance	0	0	5	4	4	12	18	22	78	74	73	44	12	2	1	349
Occlusal adjustment	0	0	2	5	9	7	7	1	6	6	11	17	10	2	0	83
Number of Children seen one or more times	406	461	10,017	10,534	11,810	12,680	12,717	12,838	12,933	12,731	12,971	13,269	13,243	13,036	574	150,220
Percent of Children seen one or more times	65.80	78.40	82.11	84.64	89.06	96.29	96.49	97.05	97.36	97.54	97.37	97.53	97.03	95.00	91.69	93.92

[1] Includes services to enrolled registered Indians.

[2] Effective September 1, 1981 the Swift Current Health Region's Dental Program was absorbed. Young people resident in the region who were born in the years 1964, 1965 and 1978 were eligible to enroll in the Dental Plan.

[3] Group instruction on dental health was provided to children in 2,486 classrooms. Individual records were not maintained by year of birth.

Referrals and emergency services

The costs of services provided by private practitioners to children enrolled in the Dental Plan are covered in three areas: referred services, emergency services and services provided in the Adolescent Dental Program.

Referrals to private practitioners in the Children's Dental Program are of two types. A general referral is given to a patient when the examining dentist feels that the management of the patient is beyond the capability of the dental therapist. Into the category of patient management fall individuals with such problems as mental or physical handicaps and medical or emotional problems. Dental Plan dentists are qualified to deal with such situations, but intensive treatment of special cases is not their primary role in the Plan. Rather, their role is to examine all enrolled children and to supervise treatment. It is therefore considered preferable to refer children requiring extensive management to a private practitioner, who can devote more time to them and provide more intensive care.

Enrolled children are also given referrals to private practitioners for specific dental problems beyond the capability of the dental therapist. Into this category fall such services as treatment of minor orthodontic problems and extensive surgical procedures.

Private practitioners also provide emergency services to enrolled children. Emergency services are defined as the relief of pain, treatment of infections, or control of haemorrhage. In emergency cases, the patient does not need to be referred by a Dental Plan dentist in order for service costs to be covered.

In addition, in 1982-83 four private practitioners provided dental care to enrolled children on a contract basis.

The following table outlines the types and costs of referred and emergency services provided by private practitioners to children enrolled in the Saskatchewan Dental Plan in 1982-83.

Table 6

Referred and Emergency Services Provided By Private Dentists to Children Enrolled in the Dental Plan

September 1982 — August 1983[1]

Type of Service	Total		Referral		Emergency	
	No.	Cost ($)	No.	Cost ($)	No.	Cost ($)
Total	13,327	325,266.31	11,629	283,342.42	1,698	34,070.32
Initial oral examination	1,307	17,837.45	1,273	17,368.85	34	468.60
Specific oral examination	287	4,682.15	281	4,610.70	6	71.45
Diagnostic models	43	711.25	43	711.25	0	.00
Periapical X-rays	1,876	13,599.15	1,367	9,339.75	509	4,259.40
Bitewing X-rays	229	1,575.30	211	1,434.00	18	141.30
Panoramic X-rays	56	1,390.56	54	1,343.32	2	47.24
Topical fluoride and dental prophylaxis	513	4,292.00	495	4,140.40	18	151.60
Oral hygiene instruction (individual)	183	1,997.65	177	1,929.95	6	67.70
Amalgam restorations	2,422	53,798.49	2,275	50,518.19	147	3,280.30
Composite restorations	578	17,615.35	431	11,881.70	147	5,733.65
Stainless steel crowns	365	13,446.00	347	12,784.20	18	661.80
Crowns — Porcelain, plastic, cast or preformed metal	162	21,909.50	156	21,519.60	6	389.90
Caries control — Removal of decay, place sedative dressing	57	453.90	41	343.10	16	110.80
Full or partial dentures	30	4,019.10	28	3,812.55	2	206.55
Root canal therapy	228	36,408.50	200	32,039.80	28	4,368.70
Pulpotomy	297	7,204.70	255	6,128.85	42	1,075.85
Removal of erupted teeth	1,787	32,696.40	1,452	26,350.10	335	6,346.30
Surgical removal of tooth (specialist)	192	4,642.95	189	4,565.40	3	77.55
Other surgical services (specialist)	279	22,523.61	278	22,419.71	1	103.90
Unilateral space maintainer	54	2,787.15	53	2,764.85	1	22.30
Bilateral space maintainer	60	5,914.10	59	5,808.75	1	105.35
Tooth movement and space regaining	58	6,519.10	58	6,519.10	0	.00
Observation orthodontics	130	1,304.70	130	1,304.70	0	.00
Other miscellaneous services	2,134	40,083.68	1,776	33,703.60	358	6,380.08
Other services unidentified	—	7,853.57	—	—	—	—

[1] In addition to the above expenditures, the following costs were incurred:

(a) $1,731,609.00 in capitation payments were made to the College of Dental Surgeons for services provided to 17,479 adolescents who received routine dental care from private practice dentists;

(b) $80,337.82 was paid to four private practitioners working on a contract basis to provide dental care to enrolled children.

Therefore these expenditures amount to $2,137,213.13. (See Statement 1)

Note: The cost for services provided to adolescents by general practice dentists is not included in Table 6.

Expenditures

In a review of the following financial statements, certain points should be noted:

1. The financial statements reflect all expenditures incurred directly by the Dental Plan. The statements include certain expenditures which apply to activities other than the provision of dental care to enrolled persons. However, costs related to the Dental Plan which were incurred by other agencies are excluded.

2. Revenue from the activities of the Saskatchwan Dental Plan has not been applied to offset expenditures. The $513,658.32 total revenue realized during the year included $503,113.75 reimbursement from the Department of National Health and Welfare for dental care provided to 5,738 enrolled Indian children during the period September 1, 1981 to August 31, 1982.

Statement 1

Statement of Payments — Operating Expenses

September 1, 1981 — August 31, 1982
September 1, 1982 — August 31, 1983

	September 1, 1981 to August 31, 1982	September 1, 1982 to August 31, 1983
Administration (Regina Central Office)		
Salaries and honoraria	$ 864,034.75	$ 758,598.89
Travel	24,485.20	19,548.31
Public Information and Advertising	63,078.52	79,167.42
Professional dues and staff training	1,823.75	3,498.75
Office expenses	66,112.58	44,734.57
Other Expenses	475,652.76	482,744.96
Sub Total	$ 1,495,187.56	$ 1,388,292.90
Dental Plan Program Expenses		
Salaries	$ 8,932,723.37	$ 9,314,732.51
Travel	752,600.75	719,895.13
Public information and advertising	683.95	574.86
Professional dues and staff training	13,818.20	38,363.77
Office expenses	207,563.41	191,012.01
Private practitioner services	1,219,164.89	2,137,213.13
Laboratory supplies and services	45,998.46	49,234.38
Dental supplies	630,462.24	502,636.51
Repairs	44,099.57	44,119.98
Taxes and licences	31,438.17	17,033.66
Grants and contributions	(22,550.00)	12,800.00
Other expenses	155,639.36	108,357.19
Sub Total	$12,011,642.37	$13,135,973.13
Total operating expenditure	$13,506,829.93	$14,524,266.03
Capital equipment purchases	275,113.85	134,845.83
Total expenditure	$13,781,943.78	$14,659,111.86
Supplementary Health Benefits — Dental Program Expenses		
Salaries and honoraria		$ 27,978.57
Travel		52.80
Office expenses		7.91
Private practitioner services		1,086,356.77
Other expenses		3,204.03
Total expenditure		$ 1,117,600.08[1]
Total of all expenditures	$13,781,943.78	$15,776,711.94

[1] Actual expenditure for the five month period April 1, 1983 to August 31, 1983 only. Previous expenditures were reported by Medical Services Division, Department of Health.

Statement 2

Expenditure Statement Reconciliation to Public Accounts[1]

	Public Accounts	Program Year
Expenditure Sept. 1/80 — March 31/81	not applicable[2]	$ 6,394,676.58
Expenditure April 1/81 — August 31/81	$ 4,541,674.70	4,541,674.70
Total expenditure 1980-81 program year		$10,936,351.28
Expenditure Sept. 1/81 - March 31/82	7,896,199.69	$ 7,896,199.69
Public Accounts 1981-82	$12,437,874.39	
Expenditure April 1/82 — August 31/82	5,885,744.09	5,885,744.09
Total expenditure 1981-82 program year		$13,781,943.78
Expenditure Sept 1/82 — March 31/83	8,617,521.86	$ 8,617,521.86
Public Accounts 1982-83	$14,503,265.95	
Expenditure April 1/83 — August 31/83		7,159,190.08[3]
Total expenditure 1982-83 program year		$15,776,711.94

[1] This reconciliation is included because the Saskatchewan Dental Plan operates on a school year (begins September 1) rather than on the Government fiscal year (begins April 1).

[2] The figures for this period apply to the fiscal year 1980-81 and have been reported in previous reports. The figure is not reported here to avoid confusion.

[3] These figures, obtained from the Department of Finance monthly expenditure statements relating to the Saskatchewan Dental Plan, will be included in the Public Accounts for the 1983-84 fiscal year.

Statement 3

Adjustment to Cash Expenditure Statements Shown in Statement 1 to Determine Actual Cost of Services Rendered to Enrolled Children

September 1, 1981 to August 31, 1982
September 1, 1982 to August 31, 1983

	Program Year September 1/81 — August 31/82		Program Year September 1/82 — August 31/83	
Total Operating Expenditure				
(from statement 1)		$13,506,829.93		$14,524,266.03
Add dental supplies opening inventory	$523,578.32		$561,024.19	
Less dental supplies closing inventory	(561,024.19)		(563,570.93)	
Add repair parts opening inventory	42,484.89		49,196.16	
Less repair parts closing inventory	(49,196.16)		(53,077.94)	
Add equipment losses	—		—	
Less grant paid to the College of Dental Surgeons of Saskatchewan for the Summer Dental Externship Program[1]	(18,000.00)		(12,800.00)	
Less grant paid to the Swift Current Health Region No. 1[2]	40,550.00		—	
Less cost of rewriting the data processing system[3]	(54,214.80)		—	
Sub Total		$13,431,007.99		$14,505,037.51
Add depreciation		168,944.48		163,829.69[4]
Add amortization		32,781.87		26,225.50[5]
Actual cost of services		$13,632,734.34		$14,695,092.70
Number of enrolled children		155,481		159,946
Average cost per enrolled child[6]		$ 87.68		$ 91.88

[1] Grant for students in the College of Dentistry, U of S, serving a dental externship with private practice dentists in rural Saskatchewan.

[2] The Swift Current Health Region was paid a grant of $170,000.00 to assist in defraying the cost of operating their dental program between January 1 and August 31, 1981. Effective September 1, 1981 the program was absorbed by the Dental Plan. Following the close of operation, the Swift Current Health Region refunded the unspent portion of the grant.

[3] A complete rewrite of the data processing system was required to accommodate dental care to adolescents. Phase 1 of the system rewrite was undertaken during 1980-81. The second and final stage, costing $54,214.80 was completed during 1981-82. This new system will be in use for several years, therefore the costs are being amortized.

[4] Opening inventory of depreciated fixed assets ($1,126,296.56 — $168,944.48) 957,352.08
Add purchases during year 134,845.83
Undepreciated fixed assets $1,092,197.91
Depreciation calculated at 15% of undepreciated value of fixed assets $ 163,829.69

[5] Costs incurred for rewrite of the data processing system ($109,694.56 — $32,781.87) 131,127.49
Add costs incurred during year .00
Unamortized value of system $ 131,127.49
Amortization calculated at 20% of unamortized value of system $ 26,225.50

[6] Calculated by dividing the actual cost of services by the number of children enrolled.

Note: The Department of Education covers the cost of establishing dental clinics in schools. $3,580,370.80 was spent prior to August 31, 1982. An additional $355,637.00 was spent during September 1/82 — August 31/83. These expenditures are capital in nature and should be amortized over the life of the facility. Based on a depreciation rate of 5%, the depreciation would be approximately $196,800.39.
This would represent an average cost per enrolled child of:

$$\frac{\$196,800.39}{159,946} = \$1.23$$

Appendix 1

Established Dental Clinics
by Dental Region and Location

Swift Current Dental Region

Location	School
Abbey	Abbey School
Burstall	Burstall School
Cabri	Cabri Elementary
Central Butte	Central Butte Elementary
Chaplin	Chaplin Elementary
Climax	Climax Elementary
Consul	Consul School
Dinsmore	Dinsmore School
Eastend	Eastend School
Elrose	Elrose School
Eston	Eston Elementary
Fox Valley	Fox Valley School
Frontier	Frontier School
Gravelbourg	Gravelbourg Elementary
Gull Lake	Gull Lake Elementary
Herbert	Herbert Elementary
Hodgeville	Hodgeville Elementary
Kincaid	Kincaid School
Kyle	Kyle School
Lafleche	Lafleche School
Lancer	Lancer Elementary
Leader	Leader Elementary
Mankota	Mankota School
Maple Creek	Jasper Street Elementary
	Sidney Street Elementary
Morse	Morse School
Ponteix	Ponteix Elementary
Richmound	Richmound School
Shaunavon	Christ the King School
	Shaunavon Public School
Swift Current	Ashley Park Elementary
	Central Elementary
	Dickson Elementary
	Fairview Elementary
	James O. Begg Elementary
	Kinsman/Oman Elementary
Val Marie	Val Marie School
Vanguard	Vanguard Elementary
Wymark	Wymark Elementary

Total Clinics for 1982-83 39

Regina Dental Region

Location	School
Abernethy	Abernethy Elementary
Assiniboia	Assiniboia Jr. High
Avonlea	Avonlea Elementary
Balcarres	Balcarres School
Balgonie	Balgonie Elementary
Bengough	Bengough School
Bethune	Bethune School
Briercrest	Briercrest School
Brownlee	Brownlee School
Bulyea	Bulyea School
Caronport	Caronport Elementary
Ceylon	Ceylon Elementary
Coderre	Coderre School
Coronach	Coronach School
Crane Valley	Crane Valley School
Creelman	Creelman Elementary
Cupar	Cupar Elementary
Dysart	Dysart School
Fillmore	Fillmore School
Fort Qu'Appelle	Fort Qu'Appelle Elementary
Francis	Francis School
Gladmar	Gladmar High
Glenavon	Glenavon School
Goodwater	Goodwater Elementary
Govan	Govan Elementary
Grand Coulee	Grand Coulee School
Indian Head	Indian Head Elementary
Kelliher	Kelliher School
Lebret	Qu'Appelle Residential School
Lake Alma	Lake Alma Elementary
Lang	Lang Elementary
Lipton	Lipton Elementary
Lestock	Lestock High
Limerick	Limerick Elementary
Lumsden	Arm River Hutterite Elementary
	Lumsden Elementary
McLean	McLean School
Marquis	St. Mark Separate Elementary
Midale	Midale School
Milestone	Milestone Elementary
Minton	Minton Elementary
Montmartre	Montmartre Elementary
Moose Jaw	Alexander Elementary
	Bushell Park School
	Empire Elementary
	King Edward Elementary
	King George Elementary
	Lindale School
	Palliser Heights Elementary
	Prince Arthur Elementary
	Ross Elementary
	Sacred Heart Elementary
	St. Agnes Elementary
	St. Michael Elementary
	Westmount Elementary
	William Grayson Elementary
	Moose Jaw District Office
Mortlach	Mortlach School

Regina Dental Region (continued)

Location	School
Mossbank	Mossbank Health Clinic
Odessa	Odessa School
Ogema	Ogema School
Pangman	Pangman Elementary
Pilot Butte	Pilot Butte Elementary
Punnichy	Punnichy Elementary
	Punnichy High
Quinton	Quinton Elementary
Radville	Radville Elementary
	St. Olivers Elementary
Raymore	Raymore School
Regina	Albert Elementary
	Argyle Elementary
	Athabasca Elementary
	Benson Elementary
	Birchwood Elementary
	Judge Bryant Elementary
	Centennial Elementary
	M. J. Coldwell Elementary
	Coronation Park Elementary
	R. J. Davidson Elementary
	Deshaye Separate Elementary
	Dieppe Elementary
	Elsie Dorsey Elementary
	Dover Elementary
	W. H. Ford
	Grant Road Elementary
	Dr. Hanna Elementary
	W. C. Howe Elementary
	Wilfred Hunt Elementary
	Henry Janzen Elementary
	Kitchener Elementary
	George Lee Elementary
	McLurg Elementary
	McNabb Elementary
	Marion McVeety Elementary
	Ethel Milliken Elementary
	Ruth Pawson Elementary
	Dr. A. E. Perry Elementary
	Al Picard School
	Regent Park Elementary
	Rosemont Elementary
	St. Anne Elementary
	St. Augustine Separate Elementary
	St. Bernadette Separate Elementary
	St. Dominic Savio Elementary
	St. Francis Separate Elementary
	St. Gregory Separate Elementary
	St. James Separate Elementary
	St. Jerome Separate Elementary
	St. Joan of Arc Separate Elementary
	St. John Separate Elementary
	St. Josaphat Separate Elementary
	St. Leo Separate Elementary
	St. Luke Separate Elementary
	St. Mary Separate Elementary
	St. Matthew's Separate Elementary
	St. Patrick Separate Elementary
	St. Peter Separate Elementary
	St. Philip Separate Elementary
	St. Pius X Separate Elementary
	St. Timothy Separate Elementary
	Sherwood Elementary
	Transcona Elementary
	Walker Elementary
	Wilfrid Walker Elementary
	Wascana Elementary
	Wascana Institute
	Maranatha Christian Centre
	Campbell Collegiate
	Central Collegiate
	Miller Comprehensive High School
	O'Neill High School
	Scott Collegiate
	Sheldon-Williams Collegiate
	Sister McGuigan High School
	Robert Usher Collegiate
	Wascana Hospital
Rockglen	Rockglen Elementary
Rouleau	Rouleau Elementary
Sedley	Sedley Elementary
Semans	Semans Elementary
Sintaluta	Sintaluta Elementary
Southey	Southey School
Spring Valley	Artesian School
Strasbourg	Strasbourg Elementary
Vibank	Vibank Elementary
Weyburn	Elgin Elementary
	Haig Elementary
	Queen Elizabeth Elementary
	St. Dominic Savio Elementary
	Souris School
	Weyburn Jr. High
White City	White City School
Wilcox	Notre Dame School
Willow Bunch	Willow Bunch Elementary
Windthorst	Windthorst School
Wolseley	Dr. Isman Elementary
Wood Mountain	Wood Mountain School
Yellow Grass	Yellow Grass Elementary

Total Clinics for 1982-83 158

Saskatoon Dental Region

Location	School
Aberdeen	Aberdeen Elementary
Allan	Allan School
Asquith	Asquith School
Beechy	Beechy School
Borden	Borden School
Clavet	Clavet School
Colonsay	Colonsay School
Conquest	Conquest School
Craik	Craik School
Dalmeny	Dalmeny School
Davidson	Davidson School
Delisle	Delisle Elementary
Duck Lake	Beardy's Day School
	Stobart Elementary
Dundurn	Dundurn Elementary
	Hillcrest Hutterite School
Elbow	Elbow Elementary
Guernsey	J. Eldon Bergey Elementary
Hague	Prince Philip Elementary
Hanley	Hanley School
Hepburn	Hepburn School
Holdfast	Holdfast School
Imperial	Imperial School
Kenaston	Kenaston School
Laird	Laird Elementary
Langham	Langham Elementary
	Langham High
Lanigan	Lanigan Elementary
Leroy	Leroy Medical Health Centre
Lucky Lake	Lucky Lake School
Martensville	Martensville Elementary
	Martensville High School
Nokomis	Nokomis School
Osler	R. J. Davidson Elementary
Outlook	Outlook Elementary
Perdue	Perdue School
Radisson	Radisson School
Rosthern	Rosthern Elementary
Saskatoon	Alvin Buckwold Elementary
	Bishop Klein Elementary
	Bishop Pocock Elementary
	Bishop Roborecki Elementary
	Brevoort Park Elementary
	Buena Vista Elementary
	Cardinal Leger Elementary
	Caroline Robins Elementary
	Caswell Elementary
	Christian Academy Elementary
	Churchill Elementary
	College Park Elementary
	Confederation Park Elementary
	Estey Elementary
	Fairhaven Elementary
	Father Vachon Elementary
	French School
	George Vanier Elementary
	Greystone Heights Elementary
	Grosvenor Park Elementary
	Haultain Elementary
	Henry Kelsey Elementary
	Holliston Elementary
	Holy Family Elementary
	Howard Coad Elementary
	Hugh Cairns Elementary
	John Lake Elementary
	King George Elementary
	Lakeview Elementary
	Lawson Heights Elementary
	L'Ecole Canadienne Francaise
	Lester B. Pearson Elementary
	Lorne Haselton Elementary
	Mayfair Elementary
	McNab Park Elementary
	Montgomery Elementary
	Native Survival School
	North Park Elementary
	Pleasant Hill Elementary
	Prince Philip Elementary
	Princess Alexandra Elementary
	Queen Elizabeth Elementary
	River Heights Elementary
	Roland Michener Elementary
	St. Anne Elementary
	St. Augustine Elementary
	St. Bernard Elementary
	St. Dominic Elementary
	St. Edward Elementary
	St. Frances Elementary
	St. George Elementary
	St. Gerard Elementary
	St. Goretti Elementary
	St. James Elementary
	St. John's Elementary
	St. Mark's Elementary
	St. Mary's Elementary
	St. Matthew Elementary
	St. Michael Elementary
	St. Paul's Elementary
	St. Philip Elementary
	St. Thomas Elementary
	School for the Deaf
	Silverwood Elementary
	Sister O'Brien Elementary
	South Corman Park Elementary
	Sutherland Elementary
	Thornton Elementary
	Victoria Elementary
	Vincent Massey Elementary
	Westmount Elementary
	Wildwood Elementary
	Wilson Elementary
	W. P. Bates Elementary
	University
	Aden Bowman Collegiate
	E. D. Feehan High School
	Mount Royal Collegiate
	Nutana Collegiate
	Sion High School
Strongfield	Strongfield Elementary
Vanscoy	Vanscoy Elementary
Viscount	Viscount Elementary

Saskatoon Dental Region (continued)

Location	School
Vonda	Vonda Elementary
Waldheim	Waldheim School
Warman	Warman Elementary
	Warman High
Watrous	Watrous Elementary
Young	McClellan School
Total Clinics for 1982-83	127

Yorkton Dental Region

Location	School
Alida	Alida School
Archerwill	Archerwill School
Arcola	Arcola School
Arran	Arran School
Bellegarde	Bellegarde School
Bienfait	Bienfait School
Bredenbury	Bredenbury School
Broadview	M. B. Cope Elementary
Buchanan	Buchanan School
Canora	Canora Junior Elementary
	Canora Senior Elementary
Carnduff	Carnduff Elementary
Carlyle	Carlyle School
Churchbridge	Churchbridge Elementary
Esterhazy	P. J. Gillian School
	Esterhazy Central
Estevan	Hillcrest Elementary
	Hillside Elementary
	Pleasantdale Elementary
	Sacred Heart School
	St. Mary's School
	Scotsburn School
	Westview School
Endeavour	Endeavour Elementary
Foam Lake	Foam Lake Elementary
	Foam Lake Composite High
Gainsborough	Gainsborough School
Grayson	Grayson School
Grenfell	Grenfell Elementary
Invermay	Invermay Elementary
Ituna	Ituna School
Kamsack	Victoria Elementary
	Kamsack Jr. High
Kelvington	Robert Melrose Elementary
Killaly	Killaly School
Kipling	Kipling School
Lampman	Lampman School
Langenburg	Hoffman Elementary
	Parkside Elementary
Lemberg	Lemberg School
Lintlaw	Lintlaw Okla School
MacNutt	MacNutt School
Manor	Manor School
Maryfield	Maryfield School
Margo	Margo School
Melville	Melville Comprehensive
	Miller Elementary
	St. Henry's Elementary
Moosomin	Churchill School
Neudorf	Neudorf Elementary
Norquay	Norquay Elementary
	Norquay High
Oxbow	Mobile Home
Preeceville	Preeceville School
Quill Lake	Quill Lake Elementary
	Quill Lake High School
Rama	Rama School
Redvers	Redvers School
Rocanville	Rocanville School
Rose Valley	Rose Valley School
Saltcoats	Saltcoats Elementary
Sheho	Sheho School
Stockholm	Stockholm School
Storthoaks	St. Thomas School
Stoughton	Stoughton School
Sturgis	Sturgis Elementary
	Sturgis Composite High
Theodore	Theodore School
Wadena	Wadena Elementary
	Wadena Composite High
Wapella	Wapella School
Wawota	Wawota School
Whitewood	Whitewood School
Willowbrook	Willowbrook Elementary
Wishart	Wishart School
Wynyard	Wynyard Elementary
	Wynyard Composite High
Yorkton	Angus Spice Elementary
	Columbia Elementary
	Dr. Brass Elementary
	St. Alphonsus Elementary
	St. Mary's Elementary
	St. Paul's Elementary
	Simpson Elementary
Total Clinics 1982-83	84

Prince Albert Dental Region

Location	School
Albertville	Albertville Elementary
Annaheim	Annaheim School
Arborfield	Arborfield School
Big River	T. D. Michel Elementary
Birch Hills	Birch Hills Elementary
Bjorkdale	Bjorkdale School
Bruno	Bruno School
Canwood	Canwood Elementary
Carragana	Carragana Elementary
Carrot River	Carrot River Elementary
Cecil S.D. No. 130	Prince Albert East Central
Christopher Lake	Christopher Lake School
Codette	Codette Elementary
Crystal Springs	Dixon Lake School
Cudworth	Cudworth School
Davis	Osborne Elementary
Debden	Debden School
Domremy	Domremy School
Englefeld	Englefeld School
Garrick	Garrick Elementary
Gronlid	Gronlid School
Hudson Bay	Blake Beattie Elementary
	Stewart Hawke
Humboldt	Humboldt Elementary
	St. Augustine Elementary
	St. Dominic Elementary
Kinistino	Kinistino Elementary
Lake Lenore	Lake Lenore School
MacDowall	MacDowell Elementary
Meath Park	Meath Park Elementary
Melfort	Reynolds Central Elementary
Middle Lake	Middle Lake School
Mistatim	Mistatim School
Muenster	Muenster School
Naicam	Naicam School
Nipawin	Alex Wright Elementary
	Wagner Elementary
Paddockwood	Paddockwood Elementary
Pleasantdale	Pleasantdale School
Porcupine Plain	Porcupine Plain School
Prairie River	Prairie River School
Prince Albert	Boucher Junior High
	Berezowsky Elementary
	King George Elementary
	St. Marks Elementary
	Vickers School
	Wesmore Junior High
Prince Albert Rural	West Central School
Prud'Homme	Prud'Homme School
Red Wing	Red Wing Elementary
Ridgedale	Ridgedale School
Sage Hill	Dana Elementary
St. Benedict	St. Benedict School
St. Brieux	St. Brieux School
St. Louis	St. Louis School
Shellbrook	Shellbrook Elementary
Shell Lake	Shell Lake Elementary
Smeaton	Smeaton School
Spalding	Spalding School
Spruce Home	Spruce Home Central Elementary
Star City	Star City School
Tisdale	Tisdale Elementary
Wakaw	Wakaw School
Watson	Watson Elementary
Weekes	Weekes School
Weldon	Weldon School
White Fox	White Fox School
Wild Rose	Wild Rose Central Elementary
Yellow Creek	Yellow Creek School
Zenon Park	Zenon Park School
Total Clinics for 1982-83	70

North Battleford Dental Region

Location	School
Alsask	John A. Silver DND School
Battleford	Battleford Central School
	St. Vital Elementary
Biggar	Nova Wood Elementary
Blaine Lake	Blaine Lake Composite
Cando	Cando School
Cochin	Cochin Elementary
Cut Knife	Cut Knife Elementary
Denzil	Denzil Elementary
Dodsland	Dodsland Elementary
Dorintosh	Dorintosh Elementary
Edam	H. Hardcastle School
Glaslyn	Glaslyn School
Goodsoil	Goodsoil Central School
Hafford	Hafford School
Harris	Harris-Tessier School
Hillmond	Hillmond Central School
Kerrobert	Mary Rodney Elementary
Kindersley	Kindersley School Unit Office
Landis	Landis School
Lashburn	J. H. Moore Elementary
Leask	Leask School
Leoville	Leoville School
Livelong	Livelong Elementary
Lloydminster	E. S. Laird School
	Father Gorman Elementary
	Neville Goss Elementary
	Winston Churchill Elementary
Loon Lake	Ernie Studer School
Luseland	W. S. Patterson Elementary
Macklin	Macklin Elementary
Maidstone	Ratushniak Elementary
Makwa	Makwa School
Marcelin	Marcelin School

North Battleford Dental Region (continued)

Location	School
Marengo	Westcliffe School
Marsden	Marsden Elementary
Marshall	Marshall Elementary
Mayfair	Mayfair School
Maymont	Maymont Central School
Meadow Lake	Jubilee Elementary
	Lakeview Elementary
Medstead	Medstead School
Milden	Milden Central School
North Battleford	Bready Elementary
	Lawrence Elementary
	McKitrick Elementary
	Notre Dame Elementary
Neilburg	Neilburg Composite School
Paradise Hill	Paradise Hill Elementary
Paynton	Paynton School
Pierceland	Pierceland Elementary
Plenty	North-West Central High
Rabbit Lake	Rabbit Lake Elementary
Rosetown	Walter Aseltine Elementary
St. Walburg	St. Walburg Public High
Sonningdale	Sonningdale School
Spiritwood	Hartley Clark Elementary
Tramping Lake	Tramping Lake School
Turtleford	Turtleford School
Unity	St. Peter's Elementary
	Unity Elementary
Wilkie	Norman Carter Elementary
	St. George Separate School
Wiseton	Wiseton Elementary
Total Clinics for 1982-83	63
Total Number of Clinics — All Regions	541

Appendix 2

Supplementary Health Benefits

Dental Program

The cost of services provided by private dental practitioners to persons covered by the Supplementary Health Benefits program for social assistance recipients is administered by the Dental Plan.

The following table outlines the costs and types of dental services provided by private practitioners to individuals covered by this program in 1982-1983.

Service	Sept. 1/82-Aug. 31/83 Number of Services	Cost	April 1/83-Aug. 31/83 Number of Services	Cost
Dentist Services:				
Examination — standard	8,586	$ 117,478.45	3,509	$ 49,424.90
Examination — prosthodontic	187	1,750.10	81	780.20
Periapical x-ray — one film	1,617	15,366.40	726	7,094.80
Periapical x-ray — two films	2,753	35,289.35	855	11,195.95
Periapical x-ray — three films	682	12,235.05	251	4,627.90
Periapical x-ray — four films	642	14,362.15	227	5,233.15
Periapical x-ray — five or more	483	13,713.75	177	5,029.25
Occlusal x-ray — one film	21	300.00	18	259.20
Bitewing x-ray — one film	13	128.85	13	128.85
Bitewing x-ray — two films	805	10,946.65	805	10,946.65
Study Model	28	424.65	3	51.05
Prophylaxis — child under 5	123	2,062.75	54	934.60
Scaling and Polishing — patient 17 or over	4,789	157,190.28	2,072	69,889.43
Topical fluoride — child under 5	107	895.20	55	473.00
Toothbrush instruction — child under 5	44	489.10	20	228.70
Caries control	372	2,524.20	150	1,039.60
Fixed lingual arch space maintainer	2	203.40	2	203.40
Fixed unilateral space maintainer	6	421.80	2	143.40
Fixed unilateral space maintainer — Gerber	1	45.15	—	—
Fixed unilateral space maintainer — no crown	3	68.25	2	45.95
Amalgam filling — primary one surface	411	5,962.90	187	2,766.10
Amalgam filling — primary two surface	287	6,489.10	132	3,104.10
Amalgam filling — primary three or more	88	2,439.60	44	1,249.40
Amalgam filling — permanent one surface	6,438	111,342.15	2,675	47,510.90
Amalgam filling — permanent two surface	6,163	164,820.14	2,650	72,834.69
Amalgam filling — permanent three or more	3,753	145,470.30	1,710	68,256.05
Restoration of cusps	384	3,344.30	178	1,588.90
Pins for restorations	724	4,532.25	352	2,280.40
Additional Pins	346	1,023.75	189	584.20
Silicate fillings — class V	193	3,541.00	77	1,447.20
Silicate fillings — class III	144	2,531.60	55	1,033.45
Silicate fillings — maximum any one tooth	29	1,095.15	14	528.15
Composite resin restoration — class V	1,333	23,813.55	541	10,194.45
Composite resin restoration — class III	2,633	47,644.15	1,120	20,862.40
Composite resin restoration — class IV	990	34,724.50	452	16,093.20
Composite resin restoration — double class IV	342	18,450.85	161	9,018.35
Acrylic crowns	199	37,437.10	106	20,325.10
Stainless steel crowns — primary tooth	135	5,034.05	74	2,796.10
Stainless steel crowns — permanent tooth	101	4,045.55	40	1,639.10
Recement crown	46	857.30	16	306.80
Preformed metal post and core	102	3,633 90	57	2,072.40
Pulpotomy — permanent anterior	24	975.00	13	541.05
Pulpotomy — permanent posterior	98	3,438.40	35	1,284.90

Appendix 2 (continued)

Service	Sept. 1/82-Aug. 31/83 Number of Services	Cost	April 1/83-Aug. 31/83 Number of Services	Cost
Dentist Services: (continued)				
Pulpotomy — primary	166	3,797.06	59	1,395.46
Root Canal	328	51,335.12	142	23,449.40
Trephination	63	581.60	24	231.05
Repositioning of traumatically displaced teeth	6	316.80	—	—
Desensitization	86	1,437.10	43	734.05
Periodontal surgery	45	2,452.79	20	1,175.77
Occlusal adjustment	39	848.90	17	380.30
Complete upper denture	899	136,254.85	420	65,482.80
Complete lower denture	549	83,915.80	266	41,615.40
Partial denture without clasps	70	6,894.35	29	2,934.80
Partial upper with clasps	137	13,244.90	54	5,369.60
Partial lower with clasps	94	8,431.75	30	2,947.85
Cast partial — upper	240	35,592.00	128	19,382.40
Cast partial — lower	185	27,091.05	86	13,049.85
Repair upper denture — no impression	183	4,605.20	70	1,854.55
Repair lower denture — no impression	73	1,888.65	26	687.80
Repair upper denture — with impression	191	8,326.74	76	3,414.89
Repair lower denture — with impression	39	1,697.85	16	714.60
Add tooth to denture	397	2,889.85	141	1,063.00
Reline, self-curing — upper	48	2,422.60	26	1,295.10
Reline, self-curing — lower	29	1,538.95	18	975.20
Reline, processed — upper	286	15,726.45	123	6,919.10
Reline, processed — lower	175	9,676.50	82	4,649.85
Rebase — upper	13	604.30	5	280.00
Rebase — lower	9	381.60	2	111.35
Tissue conditioning	108	1,366.00	49	624.00
Bridge repair — replace facing	7	206.55	4	119.85
Bridge repair — recement facing	3	43.00	1	14.90
Recement Bridge	11	201.85	4	75.50
Tooth Extraction	7,262	143,717.28	2,939	60,011.33
Each additional extraction	8,110	80,836.15	3,410	35,078.05
Oral surgery	455	21,645.37	200	9,535.55
Minor orthodontia	11	111.95	7	72.55
Removable acrylic appliance	19	1,665.00	10	910.55
Fixed applicance	4	440.30	3	334.95
Emergency palliative care	447	6,157.65	164	2,338.10
Non-specialist hourly fee	47	1,842.45	16	593.62
Hospital visit	209	4,297.20	91	1,912.60
Additional hospital visit	47	533.15	23	265.55
Emergency call back	75	1,467.30	30	605.55
Specialist Dental Services:				
Initial exam — oral surgery	236	5,334.05	100	2,321.65
Panoramic radiograph	178	4,247.80	48	1,179.80
Removal of tooth — uncomplicated	272	7,111.25	107	2,897.70
Removal of tooth — uncomplicated, each additional	921	15,963.85	335	6,073.85
Complicated surgery involving flap	41	2,174.40	17	928.80
Soft Tissue impaction	37	2,258.60	11	684.30
Unerupted impaction	79	6,377.10	39	3,229.10
Unerupted impaction — unusual position	57	6,103.55	33	3,609.95
Root removal — soft tissue coverage	10	522.10	1	55.00
Root removal — bone coverage	3	211.75	1	73.35
Hospital visits	40	852.50	12	264.50
Additional hospital visits	6	78.15	1	13.65
Specialist hourly fee	132	10,514.81	68	4,880.91
Major orthodontia — initial exam	202	3,310.15	85	1,426.45

Appendix 2 (continued)

Service	Sept. 1/82-Aug. 31/83 Number of Services	Cost	April 1/83-Aug. 31/83 Number of Services	Cost
Specialist Dental Services: (continued)				
Major orthodontia — analysis and consultation	122	11,939.95	56	5,689.15
Major orthodontia — initial fee	56	17,699.09	19	6,166.48
Major orthodontia — monthly maintenance	1,042	59,686.85	444	26,126.55
Major orthodontia — retainer fee	34	4,665.30	17	2,396.65
Major orthodontia — retainer check visits	85	1,390.35	30	504.85
Major orthodontia — final models	4	121.00	1	30.25
Denturist Services:				
Complete upper denture	475	98,435.00	174	36,888.00
Complete lower denture	379	78,443.00	147	31,164.00
Partial denture without clasps	4	319.00	1	81.00
Partial acrylic denture — one to two teeth	1	162.00	1	162.00
Partial acrylic denture — three to five teeth	2	344.00	1	172.00
Partial acrylic denture — six or more teeth	3	552.00	—	—
Extra clasps	3	44.10	—	—
Partial cast denture — one to two teeth	6	1,194.00	5	995.00
Partial cast denture — three to five teeth	14	3,164.00	5	1,130.00
Partial cast denture — six or more teeth	22	5,566.00	13	3,289.00
Repair denture — no impression	115	2,455.50	37	808.90
Repair denture — with impression	80	2,690.20	26	887.00
Add tooth to denture	124	724.40	35	210.00
Reline denture — self-curing — upper	5	189.00	2	77.60
Reline denture — self-curing — lower	5	191.50	3	116.40
Reline denture — processed — upper	75	4,802.90	27	1,763.10
Reline denture — processed — lower	64	4,110.40	24	1,567.20
Rebase — upper	16	1,303.90	2	167.80
Rebase — lower	13	1,052.20	5	419.50
Denture identification	693	4,361.60	288	1,843.20
Dental Laboratory Services:				
Complete upper or lower denture	1,015	95,988.56	441	39,953.30
Immediate denture	376	39,223.49	185	18,930.10
Partial acrylic denture — 1 to 2 teeth	47	2,884.04	24	1,356.52
Partial acrylic denture — 3 to 5 teeth	122	8,828.90	56	3,687.30
Partial acrylic denture — 6 or more teeth	117	10,354.08	37	2,898.60
Extra clasp — single	20	166.20	5	42.45
Extra clasp — double	1	10.00	—	—
Extra clasp — double with rest	6	78.00	2	26.00
Upper partial cast denture — 1 to 2 teeth	22	2,775.04	8	971.20
Upper partial cast denture — 3 to 5 teeth	124	16,263.19	57	7,347.35
Upper partial cast denture — 6 or more teeth	83	11,532.26	45	6,251.40
Lower partial cast denture — 1 to 2 teeth	6	464.80	2	240.80
Lower partial cast denture — 3 to 5 teeth	76	9,407.64	39	4,888.20
Lower partial cast denture — 6 or more teeth	103	13,701.37	55	7,267.45
Duplicate model requiring impression	146	866.95	104	625.45
Model	1,681	5,925.06	999	3,575.96
Tray	681	6,310.11	414	3,885.91
Biteblock	903	6,624.22	542	3,903.72
Denture identification	1,217	7,413.90	574	3,567.90
Processed reline of denture	450	16,397.60	195	7,294.60
Rebase	20	869.75	4	181.75
Other Miscellaneous Services:				
Other services	267	10,923.61	80	2,362.55
Total All Services	80,531	2,342,702.15	34,843	1,038,187.34
Number Seen One or More Times	11,982		6,106	